



F5A100 Installation and Maintenance

MASTER PNEUMATIC - DETROIT, INC.

6701 -18 Mile Rd. | Sterling Heights, MI 48314 | Phone: (586) 254-1000 | Fax: (586) 254-6055 | Email: mp@masterpneumatic.com

PRODUCT NUMBERS:

F5A100-6
F5A100-8

THANK YOU!

You have just purchased a quality Filter from Master Pneumatic.

With care in its installation and maintenance, you can expect it to have a long and economical service life. Before you go any further, please take a few minutes to look over this information, then save it for future reference and for the useful service information it contains.

Installation & Operation Procedures

NOTE: Read Warning Stuffer STU-A019 included in box with product before proceeding.

INSTALLATION:

1. Depressurize and lockout air pressure.
2. Upstream pipes must be free of excessive dirt and liquids.
3. Install the Filter as near as possible to the device it is to serve.
4. Install the Filter so that air flows from inlet to outlet as shown on the head.
5. The Filter must be installed vertically with drain mechanism at the bottom.
6. Filters should be installed upstream of any Regulators or Lubricators in the airline.

OPERATION:

1. Filter may be drained manually by turning Drain Knob clockwise until bowl drains. Return to full counter-clockwise position for automatic drain position. To install 3/16 flexible tubing, push Drain Knob up to expose the Drain Clip. Remove the Drain Clip and Drain Knob. Push tubing on Stem. A tube clamp should be used to retain tubing on drain stem.
2. Replace Plastic Bowls with Metal if any signs of crazing or cracking is observed.
3. Replace Element when dirty. If pressure differential reaches 8 psid, element MUST be replaced.

TO CLEAN OR REPAIR:

1. Depressurize and lockout air pressure.
2. Remove Bowl Ring and Bowl Assembly by turning counter-clockwise.
3. Remove Sleeve Assembly by pulling off.
4. The Filter Element can now be removed. Do NOT clean elements, they must be replaced. Sintered Bronze elements may be cleaned by soaking several hours in soap and water, then blowing them out in reverse direction to normal flow with compressed air.
5. To service Float Drain, remove Bowl Baffle from Bowl Assembly. Turn Drain Knob counter-clockwise until it stops. Then push Drain Knob up to expose Drain Clip. Remove Drain Clip and pull off Drain Knob.
6. Remove Drain Nut by turning counter-clockwise. The Float Drain can now be removed from Bowl and disassembled.
7. The Float Drain and Bowl can now be cleaned. (*For instructions to repair Float Drain see STU-A027.*)
8. When re-assembling, be sure all o-rings are correctly located. Lubricate o-rings with Lithium grease. Bowl Baffle must be installed in correct orientation. Torque Drain Nut 5-15 in-lbs. Torque Bowl Ring hand tight.
9. If the Filter cannot be repaired by cleaning with soap and water, the parts should be replaced.

Replacement Parts

DESCRIPTION	PART NUMBER
Float Drain Plastic Bowl Assembly	AF5A109-6M
Float Drain Metal Bowl Assembly	ABF5A109-6A
Float Drain Kit	A802-42

DESCRIPTION	PART NUMBER
Element Kit - 5µm	KA109-3PE
Element Kit - 5µm bronze	KA109-03E5
Element Kit - 20µm bronze	KA109-03E4
Element Kit - 40µm bronze	KA109-03E3



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Parts Listing

KEY	DESCRIPTION
1	Head
2	O-Ring
3	Bowl Ring
4	Filter Element
5	Sleeve Assembly
6	Shatterguard
7	Plastic Bowl
8	Bowl Baffle
9	Float Drain
10	Drain Nut
11	Drain Knob
12	Drain Clip

